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Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) A compound of Formula I:

$$X^{1} = \begin{bmatrix} O & Z^{1} \\ || & || \\ C = N - SO_{2}R^{1} \end{bmatrix}_{r}$$

I

wherein

X¹ is a substrate-reactive functional group selected from a carboxy, halocarbonyl, halocarbonyloxy, cyano, hydroxy, mercapto, isocyanato, halosilyl, alkoxysilyl, acyloxysilyl, azido, aziridinyl, haloalkyl, tertiary amino, primary aromatic amino, secondary aromatic amino, disulfide, alkyl disulfide, benzotriazolyl, phosphono, phosphoroamido, or phosphato,—or ethylenically unsaturated group;

Y¹ is a single bond or a divalent group comprising at least one heteroalkylene having an oxy group or a -NR^d- group, at least one alkylene, or combinations thereof, wherein Y¹ can optionally further comprise an selected from an alkylene, heteroalkylene, arylene, carbonyl, carbonyloxy, carbonylimino, oxy, thio, -NR^d- where R^d is hydrogen or alkyl, or combinations thereof:

Z¹ is an alkyl, aryl, or -(CO)R^a wherein R^a together with R¹ and groups to which they are attached form a four to eight membered heterocyclic or heterobicyclic group having a nitrogen heteroatom and a sulfur heteroatom, wherein said heterocyclic or heterobieyelic group can be fused to an optional aromatic group, optional-saturated-or-unsaturated cyclic group, or optional saturated or unsaturated bicyclic group benzene ring:

R¹ is an alkyl, fluoroalkyl, chloroalkyl, aryl, NR^bR^c wherein R^b and R^c are each an alkyl group or taken together with the nitrogen atom to which they are attached form a four to eight membered eyelic group, or R¹ together with R^a and the groups to which they are attached

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form the four to eight membered heterocyclic or heterobicyclic group that can be fused to the optional aromatic group, optional saturated or unsaturated cyclic group, or optional saturated or unsaturated-bicyclic group benzene ring;

r is equal to 1 when X¹ is a monovalent group or equal to 2 when X¹ is a divalent group; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

2. (Original) The compound of claim 1, wherein the compound has a formula

$$X^{1}$$
 $\left[(CH_2)_n - C - N - SO_2 - R^1 \right]_r$

wherein

n is an integer of 1 to 100; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

3. (Currently amended) The compound of claim 1, wherein the compound has a formula

$$X^{1} - \left[-(C_{k}H_{2k}D)_{m} - (CH_{2})_{t} - C - N - SO_{2} - R^{1} \right]_{r}$$

wherein

D is oxygen, sulfur, or NH;

t is an integer of 0 to 12;

k is an integer of 2 to 4;

m is an integer of 1 to 200; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

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4. (Currently amended) The compound of claim 1, wherein the compound has a formula

IC

wherein

D is oxygen, sulfur, or NH;

n is an integer of 1 to 100;

m is an integer of 1 to 200;

t is an integer of 0 to 12;

k is an integer of 2 to 4;

L is oxygen or NR^d where R^d is hydrogen or alkyl; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

5. (Currently amended) The compound of claim 1, wherein the compound is of formula

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wherein

D is oxygen, sulfur, or NH;

n is an integer of 1 to 100;

m is an integer of 1 to 200;

t is an integer of 0 to 12;

k is an integer of 2 to 4;

p is an integer of 1 to 10;

L is oxygen or NR^d where R^d is hydrogen or alkyl; and said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

6. (Currently amended) The compound of claim 1, wherein the compound is of formula

wherein

D is oxygen, sulfur, or NH; n is an integer of 1 to 100; m is an integer of 1 to 200; t is an integer of 0 to 12; k is an integer of 2 to 4; p is an integer of 1 to 10;

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L is oxygen or NR^d where R^d is hydrogen or alkyl;

Arl is an arylene; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

- 7. (Original) The compound of claim 1, wherein Z^1 is a C_{I-10} alkyl and R^1 is a C_{I-10} fluoroalkyl.
- 8. (Original) The compound of claim 1, wherein Z^1 is an aryl and R^1 is a C_{1-10} fluoroalkyl.
 - 9. (Original) The compound of claim 1, where the compound is of formula

where X1 is monovalent or

where X¹ is divalent and said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

10. (Original) The compound of claim 1, wherein the compound is

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$$+^{S}$$
 $N_{S=0}$
 P_{F}
 P_{F}

said compound being unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

11. (Original) The compound of claim 1, wherein the compound is

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said compound being unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

12. (Original) The compound of claim 1, wherein the compound is

13-35. (Cancelled)

- 36. (New) The compound of claim 1, wherein Y^1 comprises at least one heteroalkylene and at least one alkylene.
- 37. (New) The compound of claim 1, wherein Y¹ comprises at least one alkylene.
- 38. (New) The compound of claim 1, wherein Y¹ comprises at least one heteroalkylene having an oxy group or a -NR^d- group.

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- 39. (New) The compound of claim 1, wherein X^1 is halosilyl, alkoxysilyl, or acloxysily.
- 40. (New) The compound of claim 1, wherein X¹ is disulfide or alkyl disulfide.
- 41. (New) The compound of claim 1, wherein Z^1 is $-(CO)R^a$ wherein R^a together with R^1 and groups to which they are attached form a five membered heterocyclic group.
- 42. (New) The compound of claim 41, wherein the five membered heterocyclic group is fused to a benzene ring.

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